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From: Desi Inocencio for Vincent P. Liptak, Reg. No. 53,225
 Legal Department
 Fax No.: 650-638-6677
 Telephone No.: 650-638-6537
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Subject: Information Disclosure Statement
 U.S. Patent Application No. 10/737,509
 Filing Date: December 16, 2003
 In re Application of: Jeffrey S. Nelson
 Title: Reagents for Oligonucleotide Cleavage and Deprotection

Our File: 4688C1

No. of pages (including cover sheet): 7

Message:

Attached is an Information Disclosure Statement for the above-identified patent application. It is believed that no fee is required with this filing. However, the Commissioner is authorized to charge any required fee to Deposit Account No. 01-2213 (Order No. 4688C1).

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Docket No. 4688C1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of) Group Art Unit: To be assigned
Jeffrey S. Nelson)
Serial No.: 10/737,059) Examiner: To be assigned
Filed: December 16, 2003)
For: **Reagents for Oligonucleotide**
Cleavage and Deprotection)
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CERTIFICATE OF FACSIMILE TRANSMISSION	
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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Applicants submit herewith patents, publications or other information (listed on the attached Form PTO-1449) of which they are aware, which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR §1.56.

This Information Disclosure Statement:

- (a) [] accompanies a new patent application submitted herewith.
 - (b) [] is filed within three months after the filing date of the application or within three months after the date of entry of the national stage of a PCT application as set forth in 37 CFR §1.491.
 - (c) [X] as far as is known to the undersigned, is filed before the mailing date of a first Office action on the merits.
 - (d) [] as far as is known to the undersigned, is filed before the mailing date of a first Office action after the filing of a request for continued examination under § 1.114.

Page 2

- (e) [] is filed after the first Office Action and more than three months after the application's filing date or PCT national stage date of entry filing but, as far as is known to the undersigned, prior to the mailing date of either a final action under §1.113, a notice of allowance under §1.311, whichever occurs first, and is accompanied by either the fee (\$180) set forth in 37 CFR §1.17(p) or a certification as specified in 37 CFR §1.97(e), as checked below. Should any fee be due, the U.S. Patent and Trademark Office is hereby authorized to charge Deposit Account No. 01-2213 in the amount of \$180.00 to cover the cost of this Information Disclosure Statement. Any deficiency or overpayment should be charged or credited to this deposit account. A duplicate of this sheet is enclosed.
- (f) [] is filed after the mailing date of either a final rejection or a notice of allowance, but on or before the payment of the issue fee, and is accompanied by the fee (\$180) set forth in 37 CFR §1.17(i)(1) and a certification as specified in 37 CFR §1.97(e), as checked below. **This document is to be considered as a petition requesting consideration of the information disclosure statement.** The U.S. Patent and Trademark Office is hereby authorized to charge Deposit Account No. 01-2213 in the amount of \$180.00 to cover the cost of this Information Disclosure Statement. Any deficiency or overpayment should be charged or credited to this deposit account. A duplicate of this sheet is enclosed.

[If either of boxes (e) or (f) is checked above, the following "certification" under 37 CFR §1.97(e) may need to be completed.] The undersigned certifies that:

- [] Each item of information contained in the information disclosure statement was first cited in a communication mailed from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this information disclosure statement.
- [] No item of information contained in this information disclosure statement was cited in a communication mailed from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this information disclosure statement.

Page 3

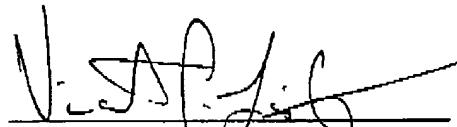
A copy of the items on PTO/SB/08A that are not United States Publications:

- are supplied herewith
- are not supplied herewith because they were previously cited by or submitted to the Office in prior application Serial No. 10/091,231, filed March 4, 2002 and relied upon in this application for an earlier filing date under 35 USC §120.

While the information and references disclosed in this Information Disclosure Statement may be "material" pursuant to 37 CFR §1.56, it is not intended to constitute an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

In accordance with 37 CFR §1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR §1.56(a) exists. It is submitted that the Information Disclosure Statement is in compliance with 37 CFR §1.98 and MPEP §609 and the Examiner is respectfully requested to consider the listed references.

Respectfully submitted,



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JUN. 17. 2004 1:09PM APPLIED BIOSYSTEMS LEGAL2

NO. 5102 P. 5

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/737,059
(Use as many sheets as necessary)				Filing Date	December 16, 2003
Sheet	1	of	3	First Named Inventor	Jeffrey S. Nelson
				Group Art Unit	To be assigned
				Examiner Name	To be assigned
				Attorney Docket No.	4688C1

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
01	4,965,349			Woo et al.	10-23-1990	
02	5,514,789			Kempe	05-07-1996	
03	5,518,651			Reddy Parameswara et al.	05-21-1996	
04	5,656,741			Chow et al.	08-12-1997	
05	5,738,829			Kempe	04-14-1998	
06	5,801,155			Kutyavin et al.	09-01-1998	
07	5,932,718			Letsinger et al.	08-03-1999	
08	5,935,527			Andrus et al.	08-10-1999	
09	5,936,077			Pfleiderer et al.	08-10-1999	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴				
10	WO	96/03417	A1	Hybridon, Inc.	02-08-1996		
11	WO	96/32496	A2	Microprobe Corporation	10-17-1996		
12	EP	0 839 829	A2	Beckman Instruments, Inc.	05-06-1998		
13	DE	196 27 898	A1	Hoechst AG	01-15-1998		
14	WO	00/46231	A1	Amersham Pharmacia Biotech, Inc.	08-10-2000		
15	EP	1 028 124	A2	ISIS Pharmaceuticals Inc.	08-16-2000		

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/737,059
(Use as many sheets as necessary)				Filing Date	December 16, 2003
Sheet	2	of	3	First Named Inventor	Jeffrey S. Nelson
				Group Art Unit	To be assigned
				Examiner Name	To be assigned
				Attorney Docket No.	4688C1

OTHER ART - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²	
	16	AUBERT et al., "Optimized synthesis of phosphorothioate oligodeoxyribonucleotides substituted with a 5'-protected thiol function and a 3'-amino group," <i>Nucleic Acids Research</i> , Vol. 28, No. 3, pp. 818-825 (2000).		
	17	BAIER et al., "Synthesis and Purification in a Single Column on a High-Throughput Automated Oligonucleotide Production System," <i>BioTechniques</i> , Vol. 20, No. 2, pp. 298-303 (February 1996).		
	18	BOAL et al., "Cleavage of oligodeoxyribonucleotides from controlled-pore glass supports and their rapid deprotection by gaseous amines," <i>Nucleic Acids Research</i> , Vol. 24, No. 15, pp. 3115-3117 (1996).		
	19	CHANG et al., "An Improved Deprotection Procedure of Amine-Containing Oligonucleotides from Acrylonitrile Modification," <i>Nucleosides & Nucleotides</i> , 18(6&7), pp. 1205-1206 (1999).		
	20	KUTYAVIN et al., "3'-Minor groove binder-DNA probes increase sequence specificity at PCR extension temperatures," <i>Nucleic Acids Research</i> , Vol. 28, No. 2, pp. 655-661 (2000).		
	21	MANOHARAN et al., "A New Protecting Group Strategy for Amino Groups in Oligonucleotide Chemistry: CEOC Group," <i>Nucleosides & Nucleotides</i> , 18(6&7), pp. 1199-1201 (1999).		
	22	POLUSHIN et al., "On the rapid deprotection of synthetic oligonucleotides and analogs," <i>Nucleic Acids Research</i> , Vol. 22, No. 4, pp. 639-645 (1994).		
	23	PON et al., "Hydroquinone-O,O'-diacetic acid ("Q-linker) as a replacement for succinyl and oxanyl linker arms in solid phase oligonucleotide synthesis," <i>Nucleic Acids Research</i> , Vol. 25, No. 18, pp. 3629-3635, (1997).		
	24	REDDY et al., "Ultrafast Cleavage and Deprotection of Oligonucleotides Synthesis and Use of C ^{Ac} Derivatives," <i>Nucleosides & Nucleotides</i> , 16(7-9), pp. 1589-1598 (1997).		

Examiner Signature	Date Considered
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NO. 5102 P. 7

PTO/SB/08A (08-00)

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

10. *W. C. Gandy, Jr.* *On the Non-Constructive Nature of the Proof of Gödel's Theorem*

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Substitute for form 1449A/PTO				<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/737,059
				Filing Date	December 16, 2003
				First Named Inventor	Jeffrey S. Nelson
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				Examiner Name	To be assigned
(Use as many sheets as necessary)				Attorney Docket No.	4688C1
Sheet	3	of	3		

Examiner Signature		Date Considered	
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